

Fig.1

NETWORK ADDRESS AT PRESENT LOCATION
A1NE1

Fig.2

SERVER ADDRESS	FAILUE CONTER	EFFECTIVE PERIOD OF SERVER
DA1	5	ET1
DE1	0	ET2

Fig.3

SERVER ADDRESS	FAILUE CONTER	PRIORITY	CACHE CAPABILTY FLAG
DA1	5	1	TRUE
DE1	0	1	TRUE

Fig.5

CACHED TEMPORARY RESPONSE
(DE1,A1NE1,1,A,FOO.PRIVATE.COM,NXDomain)

Fig.6

TEMPORARY ID	OPTIMUM RESPONSE TERMINATION FLAG	ALL ORIGINAL INQUIRY PACKETS	SERVER INFORMATION GROUP TABLE
1	TRUE	(M1,M1,4321,A,FOO.PRIVATE.COM,NULL)	Fig.5
1	FALSE	(M1,M1,4322,A,FOO.PRIVATE.COM,NULL)	Fig.5

Fig.4

TEMPORARY ID	OPTIMUM RESPONSE TERMINATION FLAG	ALL ORIGINAL INQUIRY PACKETS	SERVER INFORMATION GROUP TABLE
1	FALSE	(M1,M1,4321,A,FOO.PRIVATE.COM,NULL)	Fig.5

Fig.14

CACHED TEMPORARY RESPONSE
(DE1,A1NE1,1,A,FOO.PRIVATE.COM,NXDomain)
(DA1,A1NE1,2,A,BAR.PRIVATE.COM,A3NA1)

Fig.7

TEMPORARY ID	SERVER INFORMATION GROUP TABLE	TEMPORARY INQUIRY START TIME
1	Fig.5	CT1

Fig.8

TEMPORARY ID	SERVER INFORMATION GROUP TABLE	TEMPORARY INQUIRY START TIME
1	Fig.5	CT1
2	Fig.5	CT2

Fig.9

INQUIRY TYPE	ALGORITHM
ANY	ALGORITHM X IS USED

Fig.12

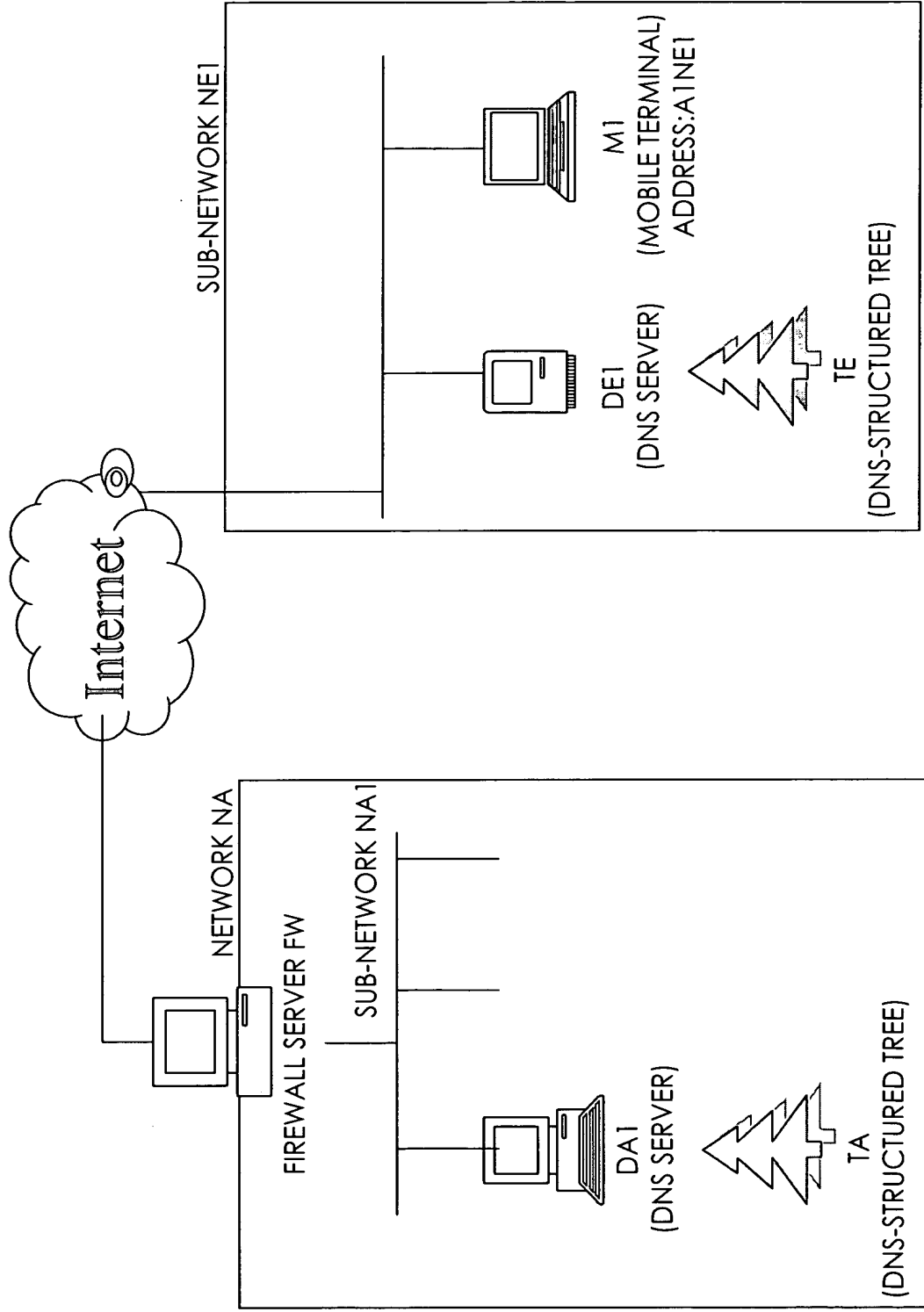


Fig.10

MANAGEMENT ID	SERVER LOCATION NETWORK AREA	CURRENT LOCATION NETWORK AREA	INQUIRY TYPE	PRIORITY	CACHE VISIBLE FLAG
1	NA	ANY POSITION	ANY	1	TRUE
2	NA	ANY POSITION	MX	1	FALSE
3	NE	ANY POSITION	ANY	1	TRUE
4	ANY POSITION	ANY POSITION	ANY	2	TRUE

Fig.11

MANAGEMENT ID	SERVER LOCATION NETWORK AREA	CURRENT LOCATION NETWORK AREA	INQUIRY TYPE	PRIORITY	CACHE VISIBLE FLAG
1	NA	ANY POSITION	ANY	1	TRUE
2	NA	ANY POSITION	ANY	1	TRUE
3	ANY POSITION	ANY POSITION	ANY	2	TRUE

Fig.13

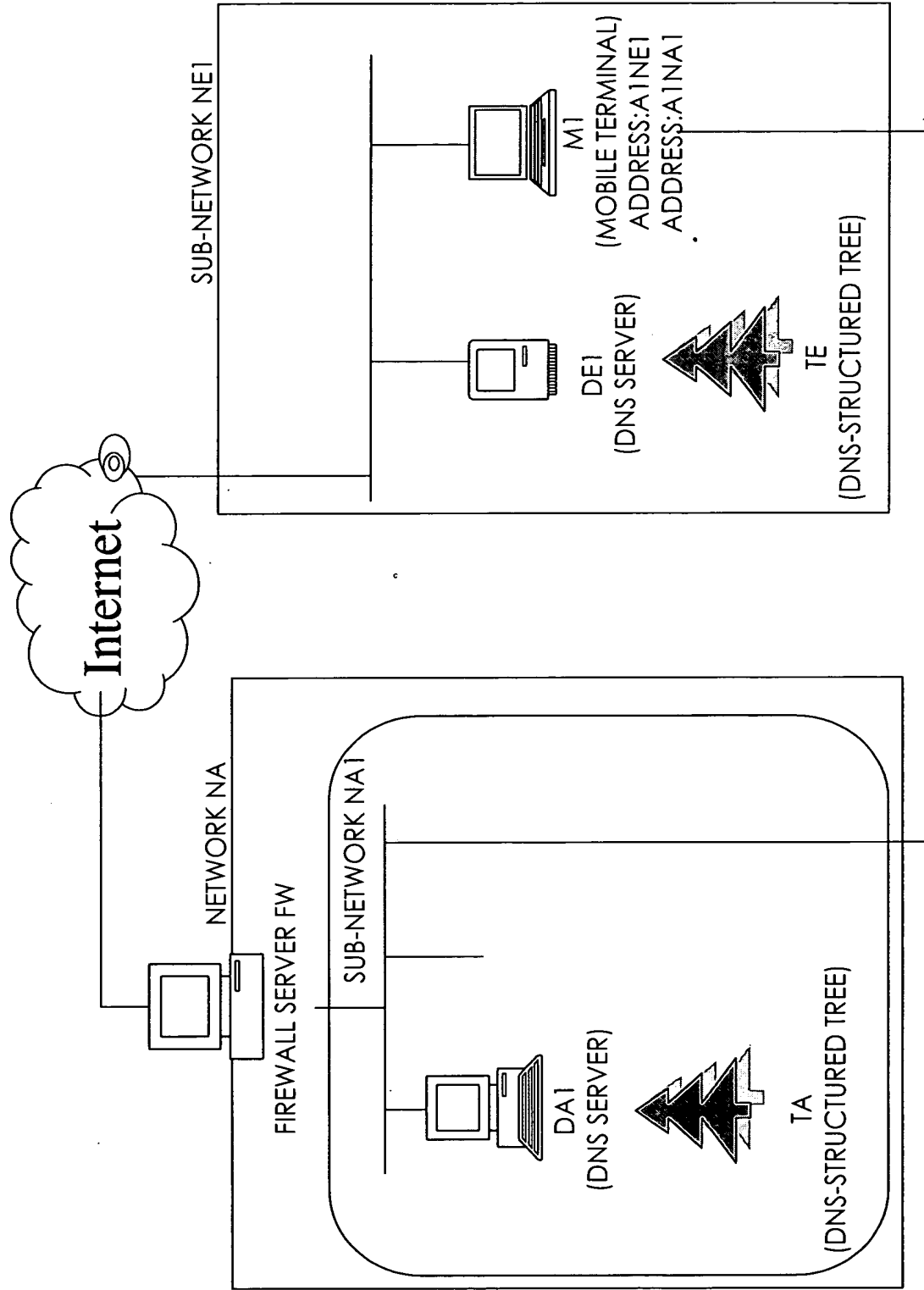


Fig.15